

IAP11 Rec'd PCT/PTO 26 JUL 2006

Sequence Listing

SEQ ID NO. 1
5 GLP-1 (1-37)

His-Asp-Glu-Phe-Glu-Arg-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-
Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-
Gly
10

SEQ ID NO. 2
GLP-1 (1-36)

15 His-Asp-Glu-Phe-Glu-Arg-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-
Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg

SEQ ID NO. 3
20 GLP-1 (1-36)NH₂

His-Asp-Glu-Phe-Glu-Arg-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-
Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-
Xaa
25

Xaa is NH₂

SEQ ID NO. 4
30 GLP-1 (7-37)

His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-
Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-Gly

35

SEQ ID NO. 5
GLP-1 (7-36)

His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-
40 Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg

SEQ ID NO. 6
GLP-1 (7-36)amide
45

His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-
Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-Xaa

Xaa is NH₂
50

SEQ ID NO. 7
Exendin-3 (Heloderma horridum horridum) Genbank Accession No. P20394

55 hsdgtftsdl skqmeeavrlfiewlknngg pssgappps

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SEQ ID NO. 8

Exendin-4 (Heloderma suspectum) Genbank Accession No. HWGH4G

5 hgegtftsdl skqmeeeavr lfiewlknng pssgappps

SEQ ID NO. 9

Exendin 4(1-31)

10

HGEGTFTSDLSKQMEEAVR LFIEWLKNGGPY

SEQ ID NO. 10

15 Exendin-4(9-39)

DLSKQMEEAVRLFIEWLKNGGPSSGAPPPS

20 SEQ ID NO. 11

Gastrin 34

Xaa-Leu-Gly-Pro-Gln-Gly-Pro-Pro-His-Leu-Val-Ala-Asp-Pro-Ser-Lys-Lys-Gln-Gly-Pro-Trp-Leu-Glu-Glu-Glu-Glu-Ala-Tyr-Gly-Trp-Met-Asp-Phe

25

Xaa = pyroglutamate

SEQ ID NO. 12

Gastrin 34

30

Xaa-Leu-Gly-Pro-Gln-Gly-Pro-Pro-His-Leu-Val-Ala-Asp-Pro-Ser-Lys-Lys-Gln-Gly-Pro-Trp-Leu-Glu-Glu-Glu-Glu-Ala-Tyr-Gly-Trp-Leu-Asp-Phe

35

Xaa = pyroglutamate

SEQ ID NO. 13

Gastrin 17

40 Xaa-Gly-Pro-Trp-Leu-Glu-Glu-Glu-Glu-Glu-Ala-Tyr-Gly-Trp-Met-Asp-Phe

Xaa = pyroglutamate

45 SEQ ID NO. 14

Gastrin 17

Xaa-Gly-Pro-Trp-Leu-Glu-Glu-Glu-Glu-Glu-Ala-Tyr-Gly-Trp-Leu-Asp-Phe

50

Xaa = pyroglutamate

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SEQ ID NO. 15
Gastrin 71

5 mqrllcvyqli falalaaafse aswkprsqqp daplggtganr dlelpwleqq gpashhrrql
gpqgpphlva dpskkqgpwl eeeeeaygwm dfgrrsaede n

SEQ ID NO. 16
Gastrin 52

10 DLLELPWLEQQ GPASHHRRQL GPQGPPHLVA DPSKKQGPWL EEEEEAYGWM DF

SEQ ID NO. 17
Gastrin 14

WLEEEEEAYGWM DF

20 SEQ ID NO. 18
Gastrin 6

YGWM DF

25 SEQ ID NO. 19
Gastrin 6

YGWL DF

30 SEQ ID NO. 20

HGEGTFTSDLSKQMEEEAVRLFIEWLKNNGX

35 SEQ ID NO. 21

HX1X2GTFITSDLSKQMEEEAVRLFIEWLKNNGGPSSGAPPPS

40 SEQ ID NO. 22

HGEGTFTSDLSKQMEEEAVRLFIEWLKNNGGPSSGAPPSKKKKKK

45 SEQ ID NO. 23

Tyr-Gly-Trp-Met-Asp-Phe

50 SEQ ID NO. 24

Tyr-Gly-Trp-Leu-Asp-Phe

55

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SEQ ID NO. 25

5 Gly-Ala-Gly-Ala-Gly-Ala-Gly-Ala-Gly-Ala

SEQ ID NO. 26

10 TrpMetAspPhe-NH₂

SEQ ID NO. 27

15 TrpLeuAspPhe-NH₂

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